

TITLE

HIGH GROWTH METHANOTROPHIC BACTERIAL STRAIN

ABSTRACT OF THE DISCLOSURE

5 A high growth methanotrophic bacterial strain capable of growth on
a C1 carbon substrate has been isolated and characterized. The strain has
the unique ability to utilize both methane and methanol as a sole carbon
source and has been demonstrated to possess a functional Embden-
Meyerhof carbon flux pathway. The possession of this pathway conveys
an energetic advantage to the strain, making it particularly suitable as a
10 production platform for the production of biomass from a C1 carbon source.

15

20

25

30

35

SNF/dmm